

## ABSTRACT OF THE DISCLOSURE

A symbol buffer memory device and method of a base station modem in a mobile communication system, in which the symbol data corresponding to at least one  
5 logical channel and coded in at least one encoding ratio is stored for transmission of the symbol data to a physical layer. The symbol buffer memory device and method employ a buffer memory for storing the symbol data for the logical channel according to input sequences so that the symbol data between logical channels are stored in a continuous arrangement; a start address table for storing address information according to the  
10 logical channels, each of the address information indicating a location of initial symbol data corresponding to each of the logical channels from among the symbol data stored in the buffer memory; and a multiplexer for selectively outputting the address information stored in the start address table by an enable signal set for each of the logical channels.

15